Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N French Dr , Hobbs, NM 88240
District II – (575) 748-1283
811 S First St , Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

HOBBS OCD
OCT 26 2012
RECEIVED

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-32766

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

7. Lease Name or Unit Agreement Name
WEST DOLLARHIDE DRINKARD UNIT

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number 109

2. Name of Operator
CHEVRON U.S.A. INC.

9. OGRID Number 4323

3. Address of Operator
15 SMITH ROAD. MIDLAND TEXAS 79705

10. Pool name or Wildcat
DOLLARHIDE TUBB DRINKARD

4. Well Location
Unit Letter I : 1500 feet from the SOUTH line and 525 feet from the EAST line
Section 32 Township 24-S Range 38-E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER: INTENT TO CLEAN OUT, ACIDIZE	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON U.S.A. INC. INTENDS TO CLEANOUT & ACIDIZE THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM & C-144 INFORMATION

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Scott Haynes TITLE PERMIT SPECIALIST DATE 10/24/2012

Type or print name SCOTT HAYNES E-mail address: TOXO@CHEVRON.COM PHONE: 432-687-7198

For State Use Only

APPROVED BY: E Gonzales TITLE Dist. Mgr DATE 10-29-2012
Conditions of Approval (if any):

OCT 29 2012

Workover Procedure
West Dollarhide Drinkard Unit
Dollarhide Field

WBS # UWDOL – R2306
WDDU 109

API No: 30-025-32766 **08/20/12**
CHEVNO: BC1100

Description of Work: Cleanout and acid stimulate the Tubb/ Drinkard

Current Hole Condition:

Total Depth: 7550' PBTD: 6595' GL: 3177' KB: +13'

Casing Record:
8-5/8" 24# csg set @ 1188'. Cmt w/ 525 sx, circ to surface
5-1/2" 15.5# & 17# csg set @ 7550'. Cmt w/ 2600 sx, circ to surface

Existing Perforations:
Tubb: 6225 – 6312'
Drinkard: 6362 – 6558'

REGULATORY REQUIREMENTS: N/A

CONTACT INFORMATION:

Jamie Castagno	Production Engineer	Cell: 432-530-5194
Femi Esan	Geologist	Ph: 432-687-7731
Hector Cantu	Completions Engineer	Cell: 432-557-1464
Phillip R Minchew	Production Foreman	Cell: 432-208-3677
Aaron Dobbs	Production Specialist	Cell: 505-631-9071

This procedure is meant to be followed. It is up to the WSM, Remedial Engineer and Production Engineer to make the decisions necessary to do it safely and do what is best for the well. In the extent that this procedure does not reflect actual operations, please contact RE, PE and Superintendent.

Prepared by: Jamie Castagno (08/20/12) Reviewed by: Hector Cantu (8/22/12)

1. Complete rig move checklist. Check road, ensure anchors have been tested in the last 24 months, and verify powerline for need of variance ahead of time.
2. MIRU. Bleed well down or kill as necessary. Record SICP and SITP. **Caliper elevators and tubular EACH DAY prior to handling tubing/tools.** TOOH rods & pump. Replace pump and bad rods.

- **Caliper elevators and tubular EACH DAY prior to handling tubing/tools and anytime size changes. Note in JSA when and what items are callipered within the task step that includes that work.**

3. Kill well and monitor. ND wellhead. Release TAC, NU dual Hydraulic BOP with blind rams on bottom and 2-7/8" pipe rams on top. LD 1 joint, PU/RIH with 5-1/2" packer and set it ~ @ 25', test BOP pipe rams to 250 psi/ 1000 psi. Note testing pressures on wellview report. Release and LD packer.
4. POOH scanning 2-7/8" production tubing per attached tubing detail. **Caliper elevators and tubular EACH DAY prior to handling tubing/tools.** Tally out with tubing and LD bad joints (green and red).
5. PU/RIH with 4-3/4" MT bit, DC's on 2-7/8" on good production tubing. Tag and record fill depth. PU power swivel, C/O to PBTD (6595') or as deep as possible. Circulate well clean. **Watch out for previous tight spots throughout 6300 - 6380' (see attached WBD for depths).**

   Note: Recover and send samples in a timely manner to Baker Chemical rep and ALCR for analysis (if possible at location). Discuss treatment recommendation with Chemical rep and ALCR. If there is evidence of sulfate scale plan to pump scale converter.
6. POOH/LD bit and DC's.
7. PU/RIH with 5-1/2" treating PKR on 2-7/8" tubing hydrotesting all tubing (including any new joints) to 5800 psi (80% burst). Spot scale converter mixed with equal amounts water across all perfs per Chemical rep recommendation. Set PKR @ ~ 6200'. Load backside and pressure test to 500 psi. SI to soak.
8. Swab or flow back to recover 100% of treatment and load volumes, if possible. Kill tubing if necessary.
9. MIRU acid contractor. RU choke manifold to flowback tank. Test lines and equipment to 6000 psi. Pressure up backside to 500 psi. Monitor casing pressure throughout acid job. Bleed off if casing pressure exceeds 500 psi. **Set pop-off valve to 5500 psi. Maximum surface pumping pressure of 5500 psi.**

   Note: Before handling, storing, or using the PEP39 Baker chemical request the MSDS for review and keep it on location. Discuss on JSA and safety meeting the mitigation plan to mix the PEP39 Baker chemical with the acid.

10. Acidize perforations 6225-6558' with 7,500 gal 15% NEFe HCl in 4 stages with **10% PEP39** in the first half of each stage (300 gallons total) while dropping GRS between stages to divert at 1-2 PPG. Flush tubing to bottom perforations.
11. Schedule pump as follows:
    a. Load tubing and establish injection rate. Mix 100 gallons PEP39 in first 1,000 gallons HCl. Pump a total of 1,500 gallons of acid on first stage.
    b. Pump 1000# GRS in Gelled Brine-Water.
    c. Mix 100 gallons PEP39 in first 1,000 gallons HCl. Pump 1,000 gallon mixture first. Pump a total of 1,500 gallons of acid on second stage. Allow GRS to reach bottom perforations prior to drop next GRS stage.
    d. Pump 1000# GRS in Gelled Brine-Water..... repeat for total of 5 acid stages.
12. SI well for 2 hours allowing acid to spend. Record ISIP, 5, 10, & 15 minute SIP's.
13. Swab or flow back to recover 100% of treatment and load volumes, if possible. Kill tubing if necessary. Report acid volumes and pressures on morning wellview report.
14. Release treating packer, POOH and LD packer. PU/RIH with notched collar and C/O any rock salt to PBTD (6595'). Circulate well with fresh water to dissolve remaining GRS. POOH/LD tubing and notched collar.
15. PU 5-1/2" treating packer on tubing. Spot scale inhibitor across all perfs. Flush scale inhibitor down perforations.
16. Release pkr. POOH and LD pkr.
17. PU and RIH with production tubing as per ALCR recommendation. **Because of bad casing, do not set any tubing in perfs.**
18. ND BOP, set TAC per ALCR recommendation and NU WH.
19. RIH with rods, weight bars and pump per ALCR recommendation. RDMO pulling unit
    ❖ Note: Due to a highly deviated wellbore, ensure rod design w/ guides does not change.
20. Turn well over to production (see contacts on first page of procedure).

CURRENT WELL DATA SHEET

Field: West Dollarhide Drinkard Unit
Location: 1500' FSL & 525' FEL
County: Lea State: NM
Current Status: PR
Current Producing Formation(s): DRINKARD

Well Name: WDDU # 109
Sec: # Township: 24S
Refno: BC1100 API: 30-025-32766
Unit Letter: I

Lease Type: FEE
Range: 38E
Cost Center: UCU881500
Wellbore # 428943

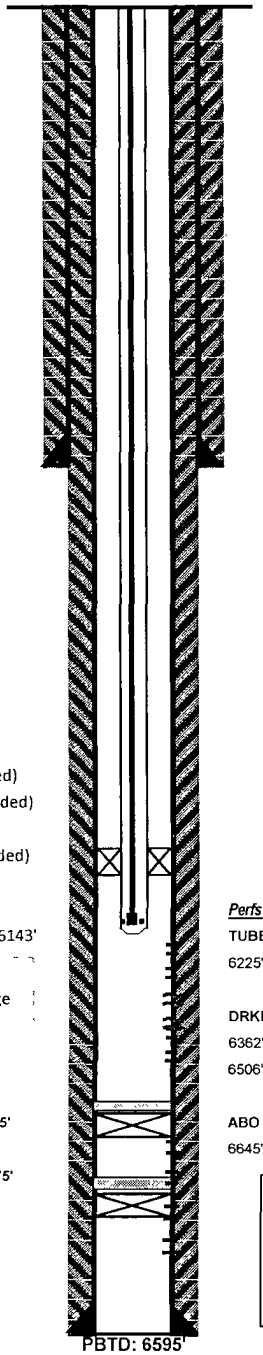
KB 3190'
DF
GL 3177'
Spud Date 2/3/1995
Compl Date 3/20/1995

Surface Csg.

Size: 8-5/8"
Wt.: 24#
Set @: 1188'
Sxs cmt: 525
Hole: 11"
TOC: surface

Production Csg.

Size: 5-1/2"
Wt.: 15.5, 17#
Set @: 7550'
Sxs Cmt: 2600
Hole: 7-7/8"
TOC: surface



PBTD: 6595'
TD: 7550'

Original Completion
Initial Production 55 BOPD, 434 BWPD, 42 MCFPD
Initial Formation Tubb Drinkard
Producing Intervals & Stimulation
Drinkard 6506' - 6521', 6000 gals 40# Gel plus 165,000# 20/40 sd , 35000# RCS, **Abo** 6645' - 7164', 11000 gals NEFE

Subsequent Workovers
06-27-96 Set CIBP @ 6910' Spot 35' cmt from 6910'-6875' Perf DRK w/2 JSPF, 45", 290 holes, 6362'-70', 6376'-90', 6394'-6404', 6491'-24', 6427'32', 6448'-82', 6486'-6502', 6538'-48', & 6550'-58' *Perf Tubb w/2 JSPF , 6225'-30', 6236'-6278', 6292'-6312',* 134 holes Scale sqdz Drk perfs, 6362' - 6558', w/2 drums TH 793 & wtr Acdz Drk 6362-6558' w/6000 gals 15% NEFE Acdz Tubb, 6225'-6312' w/3500 gals 15% NEFE

08-06-96 Set 5-1/2" CIBP @ 6630', Spot cmt to 6595', new PBTD, SN @ 6516', Run Pmp

03/13/06 Rod part, tbg stuck below 6340' Cut tbg, fish & recover *Mill bad csg 6333-6337, 6343-45' 6361-6380', fell out to 6626'*

10-05-09 Last tbg pull

Rod Detail: 10/12/2009

Footage	Joints	Type
26 0	1	Polished Rod
18 0	3	1" Sub, N-97
2350 0	94	1" N-97 Rods (Guided)
1900 0	76	7/8" N-97 Rods (Guided)
250 0	10	3/4" N-97 Rods
750 0	30	3/4"N-97 Rods (Guided)
425 0	17	3/4" N-97 Rods
400 0	16	1.75" Sinker Bars
24.0	1	1 75" Rod Pump @ 6143'

Note: Due to a highly deviated wellbore, ensure rod design w/ guides does not change

CIBP @ 6630' Spot CMT TO 6595'

CIBP @ 6910' W/35' CMT TO 6875'

Tubing in Hole: 10/12/2009

Footage	Joints	Type
5675 00	182	2-7/8" 6 5# J-55 Tbg
2 75	1	TAC @ 5689'
439.50	14	2-7/8" 6 5# J-55 Tbg
29.70	1	2-7/8" 6 5# J-55 PCID Tbg
0.87	1	2-7/8" (1 937" ID) SN
24 20	1	3-1/2" SS
6172 0		Total Tubing String
13 00		KB
6185 0		Final HD

Perfs

TUBB
6225'-6312', (134 - 45" holes) **New Perfs**

DRKD
6362'-6558' (290 - 45" holes) **New Perfs**
6506'-6521', 90 holes

ABO
6645'-7164', 300 holes

03/06 Bad csg 6333-37', 6343-45', 6361-80'

09/04: Tagged w/ 4 1/4" swage @ 6367'-70, ran to 6735 no tag Tagged w/ 4 1/2" swage @ 6340'-42' Tagged w/ 4 3/4" swage @ 6299'-6304' (6334'-6339' could not work past w/ 4 3/4 swage)

Updated by: jxxt
Date: 8/20/2012